From: Leos, Valmichael
To: Miller, Garyg; Humphrey, Alan; Gannon, Nick; Luthans, William; Todd, Brandi
Cc: Sanchez, Carlos; Foster, Anne
Subject: RE: San Jacinto TCRA Cap Porewater Sampling
Date: Thursday, June 04, 2015 10:09:30 AM

Gary,

Depths you quoted in email are correct.

Dive Team,

My vote is we do all placement / retrieval of samples along with underwater cap inspection.

Sincerely,

Valmichael Leos
Remedial Project Manager
U.S. Environmental Protection Agency Region 6
O: 214-665-2283
E: leos.valmichael@epa.gov

From: Miller, Garyg
Sent: Thursday, June 04, 2015 10:04 AM
To: Leos, Valmichael; Humphrey, Alan; Gannon, Nick; Luthans, William; Todd, Brandi
Cc: Sanchez, Carlos; Foster, Anne
Subject: RE: San Jacinto TCRA Cap Porewater Sampling

Folks,

Plan to meet next Thursday 6/11/15 with partner agencies to discuss sampling scope. The broad outline now is for the PRPs to prepare sampling & analysis plan, HASP (with EPA dive team input for dive part), arrange for lab services & obtain samplers. PRPs will provide samplers to EPA dive team for placement. Then EPA dive team perform interim dive perhaps 3 – 4 weeks after sampler placement to retrieve reference compound samplers to check for equilibrium – give samplers to PRPs for prep & shipping to lab. Based on equilibrium sample results, perform final dive (perhaps 2 -4 weeks after retrieval of reference compound samplers) to retrieve samplers & give to PRPs. Depth of samplers would vary from perhaps several feet to as deep as 20 to 25-feet (in sediment beyond cap).

Also, perform a visual observation with photo documentation (river velocity & turbidity allowing) of the condition of the outer edge of the cap – depending on tides the cap edge depth varies from about 5-ft to about 15-ft; Valmichael – do these depths sound right to you?

The PRPs are advocating to use their own contract divers for the sampling, so please let me know if the dive team has any reservations about EPA divers doing the sampling work. Options are for dive

team to do both the sample work & cap inspection, or just the cap inspection.

Thanks,

Gary Miller
EPA Remedial Project Manager
214-665-8318
miller.garyg@epa.gov

From: Leos, Valmichael
Sent: Thursday, June 04, 2015 9:24 AM
To: Humphrey, Alan; Gannon, Nick; Luthans, William; Todd, Brandi
Cc: Miller, Garyg
Subject: RE: San Jacinto TCRA Cap Porewater Sampling

Yes, I'll let Gary respond to the group.

Sincerely,

Valmichael Leos
Remedial Project Manager
U.S. Environmental Protection Agency Region 6
O: 214-665-2283
E: leos.valmichael@epa.gov

From: Humphrey, Alan
Sent: Thursday, June 04, 2015 8:21 AM
To: Gannon, Nick; Luthans, William; Leos, Valmichael; Todd, Brandi
Subject: RE: San Jacinto TCRA Cap Porewater Sampling

Any word from Gary Miller on project discussions with the PRP?

From: Gannon, Nick
Sent: Thursday, June 04, 2015 9:16 AM
To: Humphrey, Alan; Luthans, William; Leos, Valmichael; Todd, Brandi
Subject: RE: San Jacinto TCRA Cap Porewater Sampling

I found a pretty good citizen's presentation from April 2015. It has several aerials/maps that show the site boundaries and borders. Also some cap history and discussion.

http://galvbay.org/root/htdocs/galvbay/httpdocs/wp-content/uploads/2014/06/EPA-04302015-San-Jacinto-Open-House-Slides.pdf

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From: Humphrey, Alan
Sent: Monday, May 18, 2015 5:03 PM

To: Luthans, William; Leos, Valmichael; Gannon, Nick; Todd, Brandi
Subject: RE: San Jacinto TCRA Cap Porewater Sampling

Yes, the best option would be to dive to install the samplers, so diving at high tide would take care of the deeper ones. We may have a limited window to work or modify our schedule according to the tides. Perhaps a small jon boat to carry carry gear and the waders would have something to lean on while working in shallow areas on the cap. In the northeast some jetty/surf fisherman use these cleated overshoes (or some use their old golf shoes!) when walking on rocky slippery surfaces, might be useful on the cap:

http://www.amazon.com/Korkers-RockTrax-Plus-Cleated-Overshoe/dp/B004XNAVVI

From: Luthans, William
Sent: Monday, May 18, 2015 2:00 PM
To: Humphrey, Alan; Leos, Valmichael; Gannon, Nick; Todd, Brandi
Subject: RE: San Jacinto TCRA Cap Porewater Sampling

As much high tide work as possible for diving and then as much low tide work as possible for the rest?

From: Humphrey, Alan
Sent: Thursday, May 14, 2015 2:18 PM
To: Luthans, William; Leos, Valmichael; Gannon, Nick; Todd, Brandi
Subject: Re: San Jacinto TCRA Cap Porewater Sampling

Hmmm, looks like the wading crew transformed into a diving crew with waders on! My first question would be were the porewater samplers under water during the entire sampling event, which looks to be about 2 months. Also, the SCUBA diver did not even wear a hood! Depending on the length of your arms, anything deeper than say 18 '' should be done in dive gear, otherwise you get your face wet when you reach to the bottom. This would prevent us from, oh its deeper than I thought and trying to get the 3-4 foot sample installed in waders.

I see a couple of options. One is we do the installs where diving is required (greater than 18-24 in depth) and the PRP contractor does all dry/shallow points. Or we install all of them, first with divers on the "deep" ones then follow up with the land based points. A diver in a zippered dry suit with no SCUBA can reach in and stay dry but still faced with slip and trip issues and heat concerns, possibly hood off. These "in- between" pts are an issue cause its very tiring to roll around in 2 feet of water and try to push holes into an armor cap with dry suit/SCUBA on while walking on slippery rocks, which is another concern. Maybe a wader can make the hole and diver can do the SPME install.

May have to look at the location of proposed points to figure this out, those in the river/near the bank should be diveable, we need a map of the river levels at high and low tide, if one exists.

Proper decon is a priority here, we must use gear which can be cleaned to remove ALL sediment, cannot use waders with up boots, for example. We may need to decon diver on a separate vessel or do a shore based decon when we change out the diver to minimize contamination of other gear or personnel.

Any thoughts on how to best attack this, given the shallow depths?

From: Luthans, William
Sent: Wednesday, May 13, 2015 2:19 PM
To: Leos, Valmichael; Humphrey, Alan; Gannon, Nick; Todd, Brandi
Subject: RE: San Jacinto TCRA Cap Porewater Sampling

Those are some interesting photos indeed…and interesting notes from the safety meeting. It certainly begs the question that perhaps a significant portion of sampler placement would be in water too shallow for diving – need to address.

From: Leos, Valmichael
Sent: Tuesday, May 12, 2015 3:56 PM
To: Luthans, William; Humphrey, Alan; Gannon, Nick; Todd, Brandi
Subject: FW: San Jacinto TCRA Cap Porewater Sampling

fyi

Sincerely,

Valmichael Leos
Remedial Project Manager
U.S. Environmental Protection Agency Region 6
O: 214-665-2283
E: leos.valmichael@epa.gov

From: Miller, Garyg
Sent: Tuesday, May 12, 2015 3:54 PM
To: Leos, Valmichael
Subject: FW: San Jacinto TCRA Cap Porewater Sampling

Last part of San Jacinto field sampling report.

Gary Miller
EPA Remedial Project Manager
214-665-8318
miller.garyg@epa.gov

From: Miller, Garyg
Sent: Tuesday, May 12, 2015 3:51 PM
To: Leos, Valmichael
Subject: FW: San Jacinto TCRA Cap Porewater Sampling

Valmichael,

Here is the 1st part of the field sampling report.

Gary Miller
EPA Remedial Project Manager
214-665-8318
miller.garyg@epa.gov

From: Miller, Garyg
Sent: Tuesday, May 12, 2015 3:44 PM
To: Leos, Valmichael
Subject: San Jacinto TCRA Cap Porewater Sampling

Valmichael,

Here is the San Jacinto sampling plan for the SPME samplers – the field sampling report is next (too big for this email).

Gary Miller
EPA Remedial Project Manager
214-665-8318
miller.garyg@epa.gov